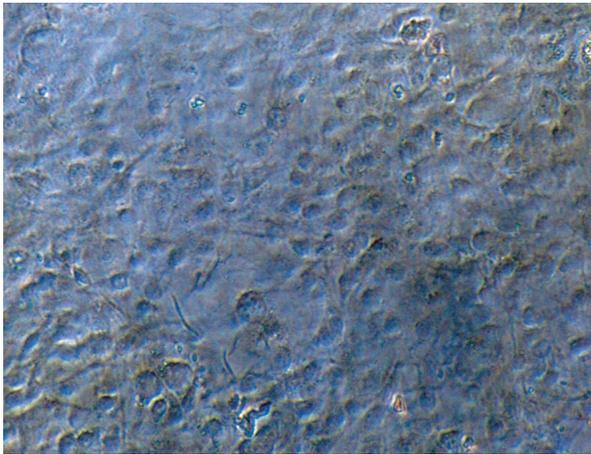
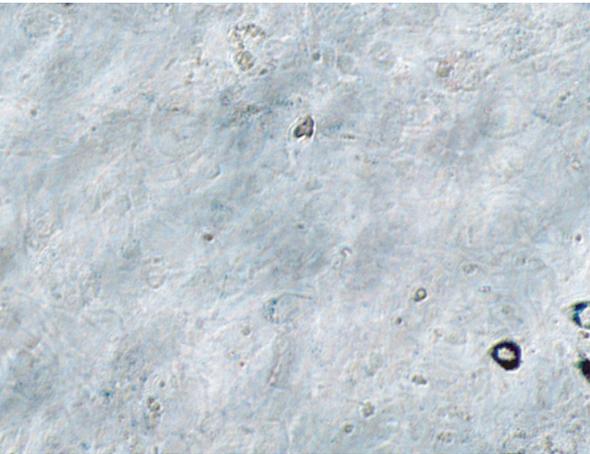
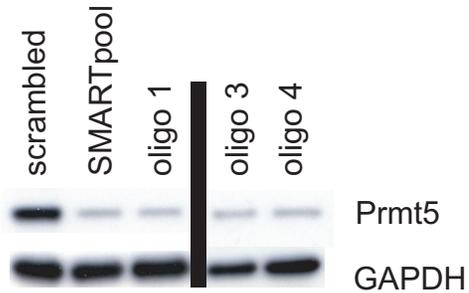
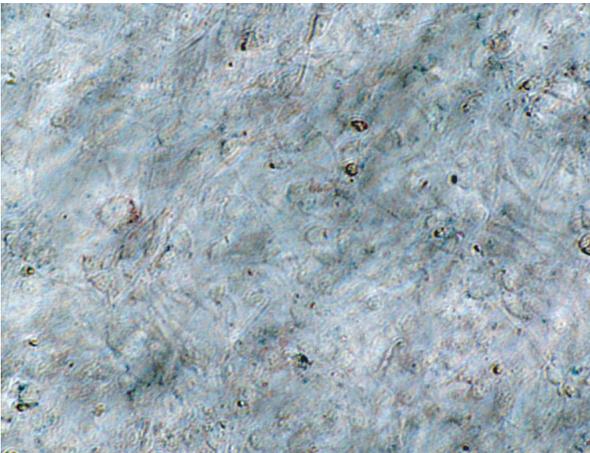
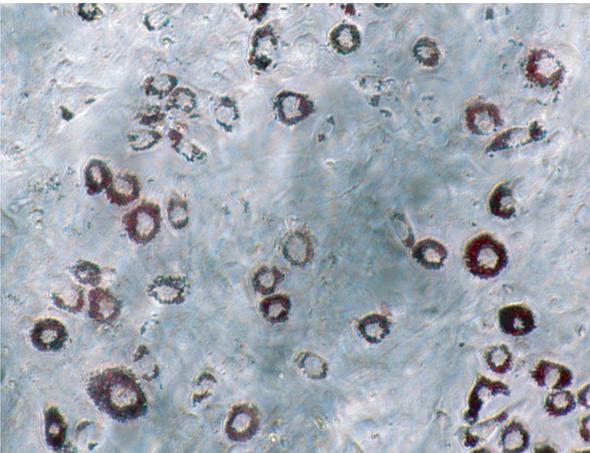


Supplemental Figure

scrambled siRNA

SMARTpool Prmt5 siRNA



Prmt5 siRNA oligo 1

Prmt5 siRNA oligo 3

Prmt5 siRNA oligo 4

3T3-L1 cells were transfected with either scrambled siRNA, the Smartpool of siRNA targeting Prmt5, or individual siRNAs against Prmt5 and grown to two-days post confluence. Samples were harvested 7 days after induction of adipogenesis and stained for Oil Red O uptake or probed for protein levels of Prmt5 and the control GAPDH by Western blot. The Western image shown contained middle lanes that were excised; the image presented is derived from the same exposure of the left-hand and right-hand portions juxtaposed and separated by a vertical bar.

Supplemental Table

Expression primers:

PPAR γ 2 -	CCAGTGTGAATTACAGCAAATCTCTGTTTTAT TTGTGAAGTGCTCATAGGCAGTG
C/EBP α -	AAGTCTTAGCCGGAGGAAGC CTCCAAGAGGACCAATGAAA
Leptin -	GACCCCTGTGTCTGGTTCTCTGT GCTTCTGCAGGCCACTGGTCT
Cyclophilin B -	GGCCAACGATAAGAAGGG GCTGTCTGTCTTGGTGCTCTCCAC
SREBP1c -	GACCACGGAGCCATGGATT GCCCCGGGAAGTCACTGTCT
Adiponectin -	CAGTGGATCTGACGACACCA CGAATGGGTACATTGGGAAC
Resistin -	GAACTGAGTTGTGTCCTGCT TGCACACTGGCAGTGACA
aP2 -	GCGTGGAATTCGATGAAATCA CCCGCCATCTAGGGTTATGA

ChIP primers:

EF1 α coding sequence	AGCTTCTCTGACTACCCTCCACTT GACCGTTCTTCCACCACTGATT
SREBP1c promoter -	TCCAGGCAAGTTCTGGTGTGTGCC CGGGTTTCTCCCGGTGCTCTGAATC
PPAR γ 2 promoter -	GTAATGTACCAAGTCTTGCCAAAGCA AAGGAAAAAGGCTTATGGTCATCGAC
PPAR γ 2 locus -10 kb -	GTTCCCAAATGTTTATC GTCTAGGAGGTAGGATATTCT
Adiponectin promoter -	AGAAGCTCTACTTGGCTTCCC GCAGACCCCAGCTTACCA
Resistin promoter -	CACCATGGTCCCTGGTGTTA CTCAGTTCTGGGTATTAGCTC
aP2 promoter -	TTGACAGTCAAACAGGAAC TGAGCCTCTGAAGTCCAGAT

Sequences of smart pool from siGENOME

SMARTpool M-042281-01-0020. mPrmt5 NM_013768:

Oligo 1 D-042281-01	CAACCGAGAUCUAUGAUU
Oligo 2 D-044281-03	GGAAUACGCUAAUUGUGGG
Oligo 3 D-042281-04	GUCCGUGCCUGUCGGGAAA
Oligo 4 D-042281-17	CAGUUUAUCAUCACGGGAA